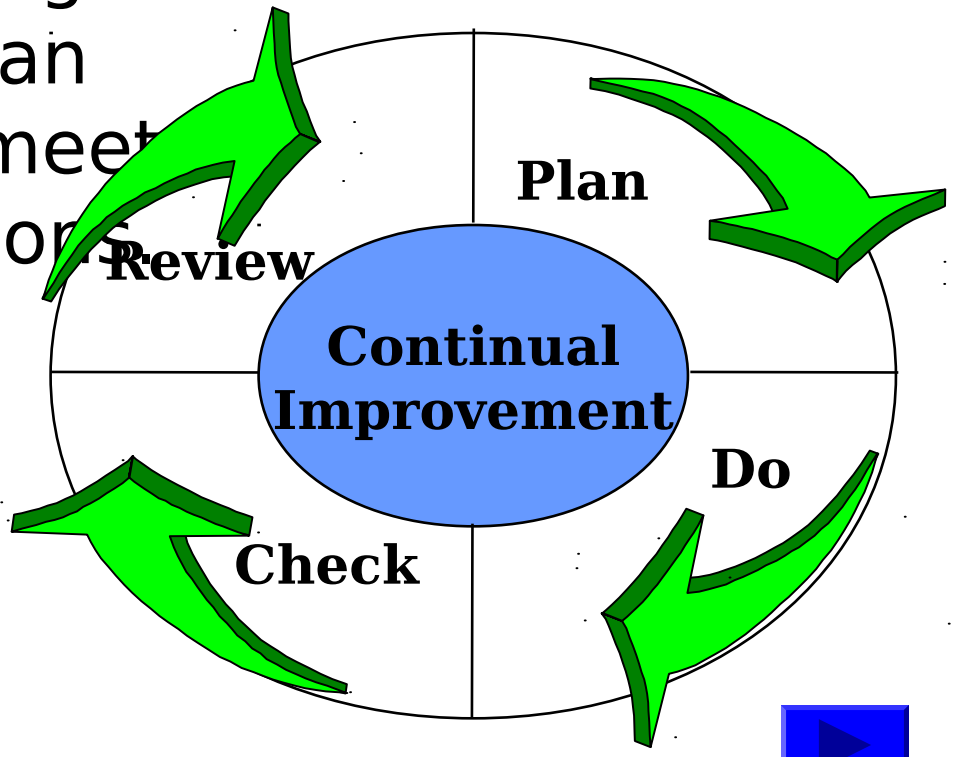
# Environmental Management System (EMS) Awareness Training

# *Outline*

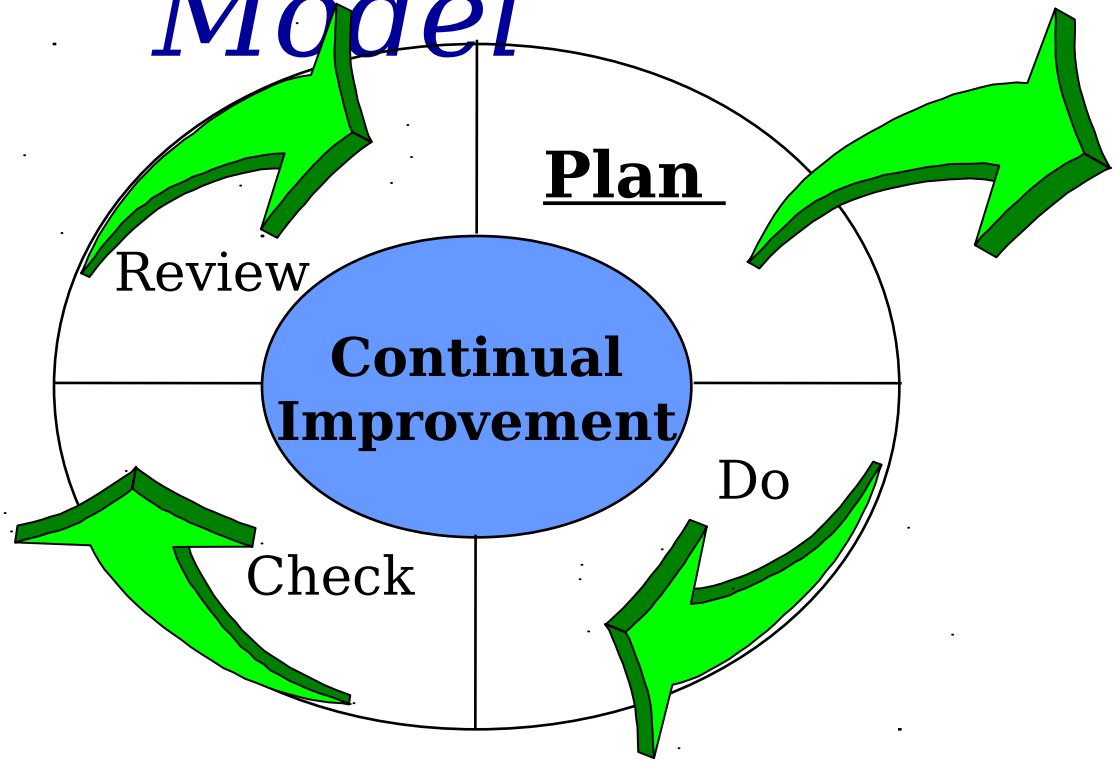
- What is an Environmental Management System?
- Why have an EMS?
- What is ISO?
- What are the Components of an EMS?
- What are the USAG-AK Aspects?
- What Role Do You Play in EMS?

# *Definition*

Environmental Management System:
a continual cycle of planning, implementing, reviewing and improving the actions an organization takes to meet environmental obligations



# Continual Improvement Model

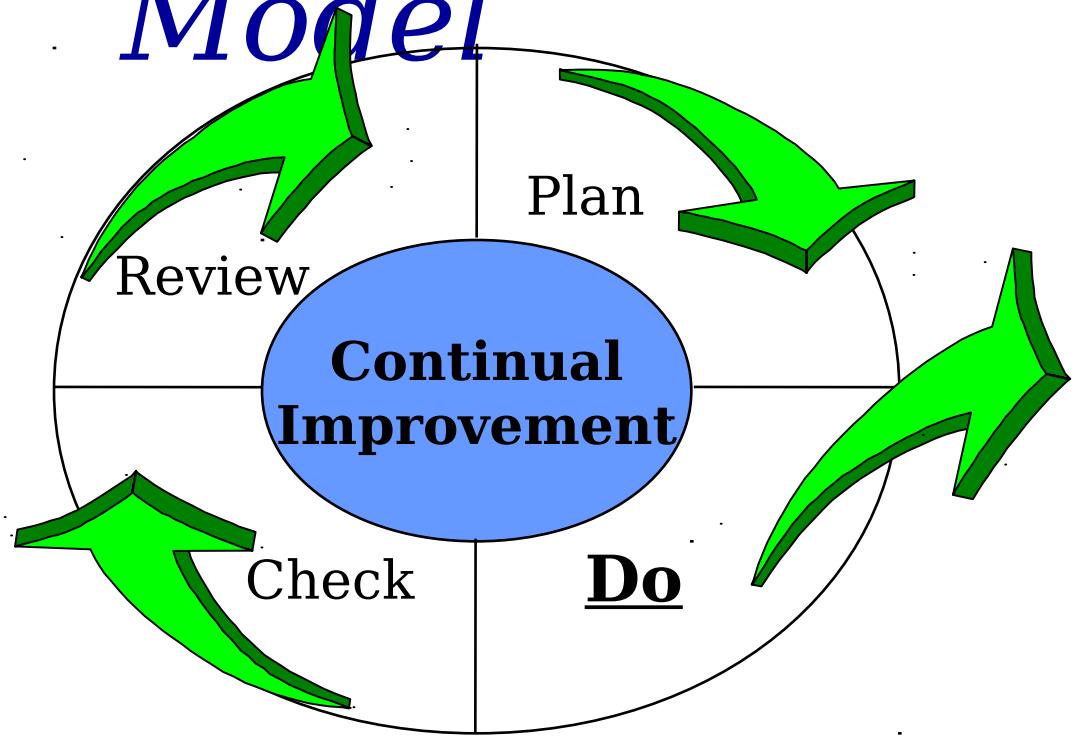



## Plan

Environmental Policy Statement

Establish targets and objectives

# Continual Improvement Model



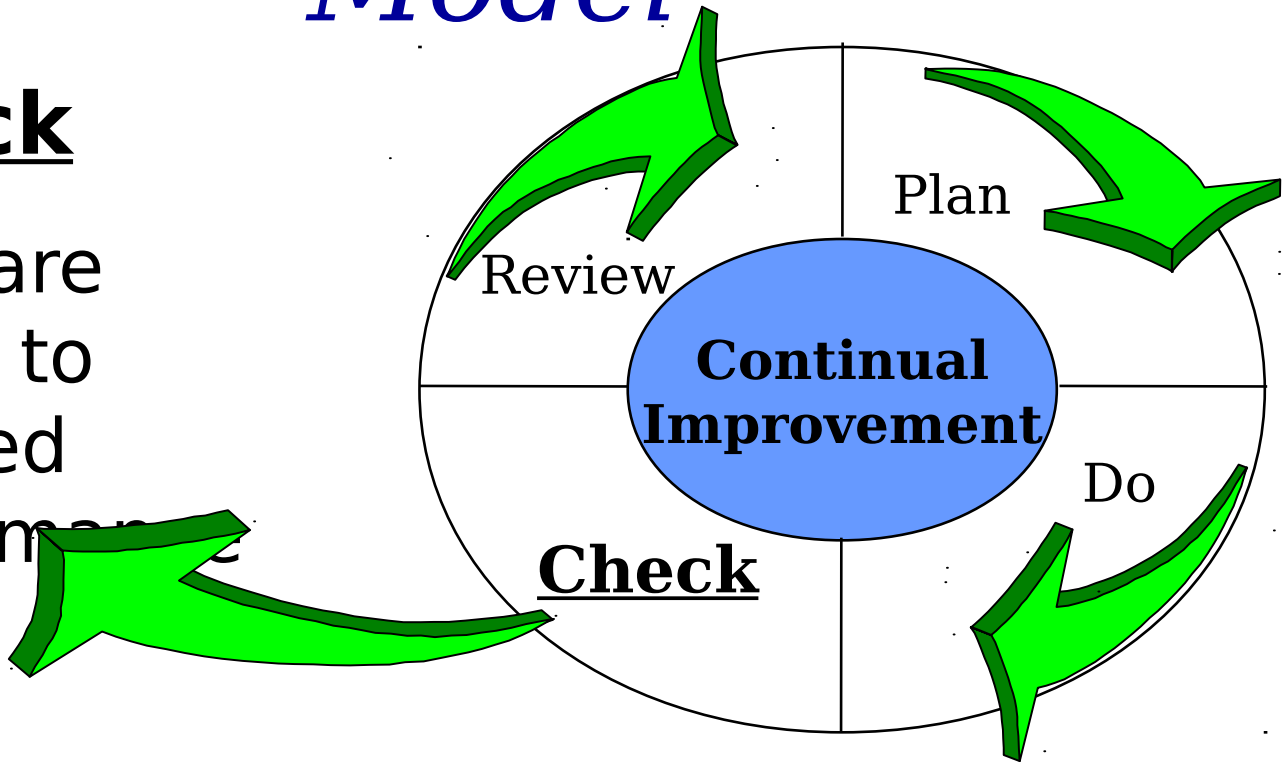

**Do**

Implement what you say you will do

# Continual Improvement Model

**Check**

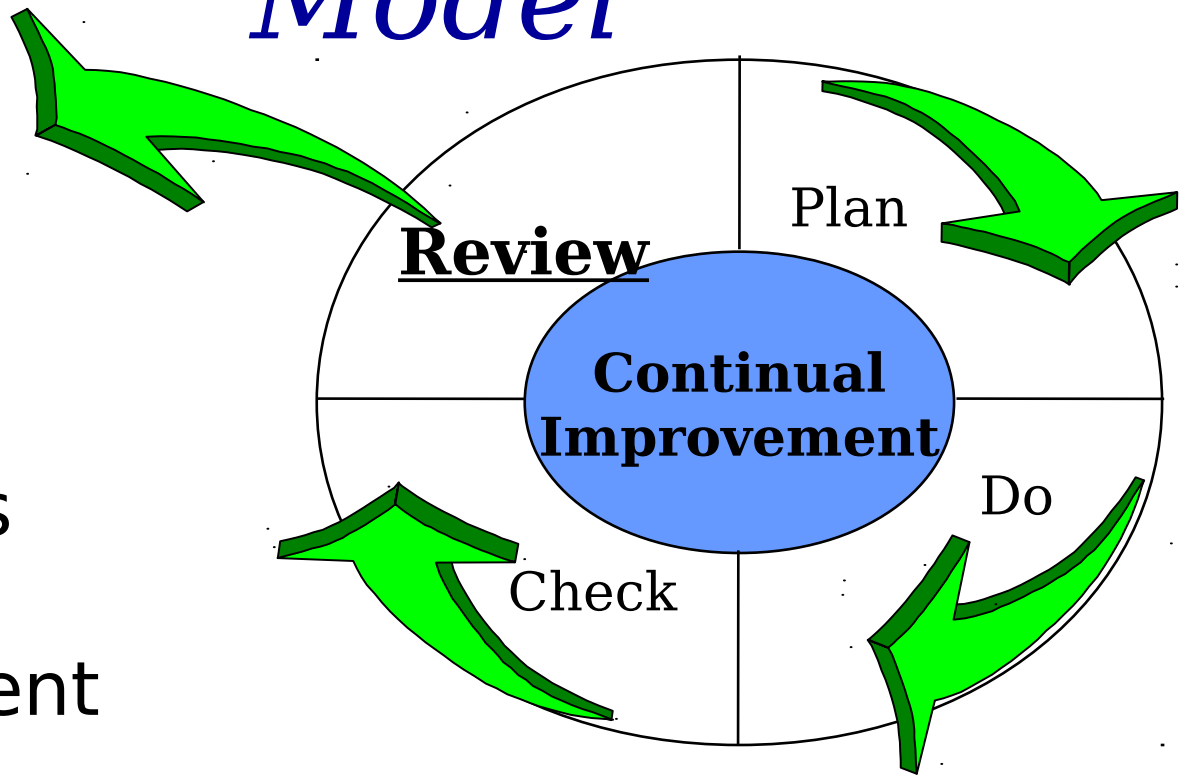
Compare actual to planned performance



# Continual Improvement Model

## Review

Make systemic corrections and improvements



# *Why Have an EMS??*

- EMS required by Executive Order 13148- Greening of the Government through Leadership in Environmental Management
- DA Policy Memorandum, 13 Jul 01
- USAG-AK Policy Memorandum #01-02

  30 Sep 2003

# *International Organization for Standardization*

- Founded in Geneva in 1946
- Until the 1980's ISO dealt only with product standards (ISO film speed, paper sizes, thickness of credit cards)

# *ISO Management Systems*

- ISO 9000 – first voluntary “management system” standard
- ISO 14000- Environmental Management System

# *Why Am I Here?*

- EMS = *Environmental* Management System
- EMS = *Everyone's* Management System
- SMS = Sustainable Management System

**EMS Goals**

# USAG-AK Environmental Policy

The U.S. Army Garrison, Alaska (USAG-AK) is firmly committed to a policy of environmental stewardship for all lands under USAG-AK control. Our policy is based on four technical areas:

- ***Prevention of pollution*** and minimization of damage to the environment;
- ***Conservation*** of natural resources;
- ***Compliance*** with all applicable environmental laws and regulations; and
- ***Restoration*** of lands damaged by past military activities.

- The entire policy can be found on:

# *Knowledge Check- What is an EMS?*

Click on the best answer.

**Which of the following does NOT describe EMS?**

A. A framework that allows an organization to consistently control the effects its operations or processes may have on the environment.

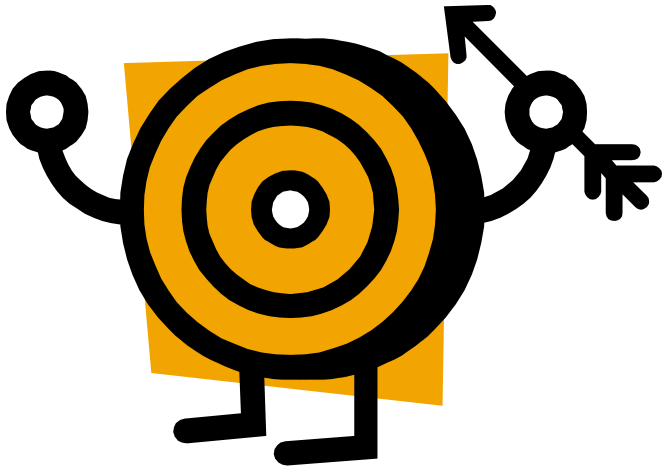
B. A continual cycle of planning, implementing, reviewing and improving the processes and actions an organization undertakes to meet its organizational and environmental goals.

C. Establishes a management framework by which an organization's impacts on the environment can be systematically identified and reduced.

D. A system of computers with specialized software for managing an organization's environmental program.

# *Knowledge Check- What is an EMS?*

*You're right on target!*



# *Knowledge Check- What is an EMS?*

Click on the best answer.

**Which of the following are characteristics of a successful EMS?**

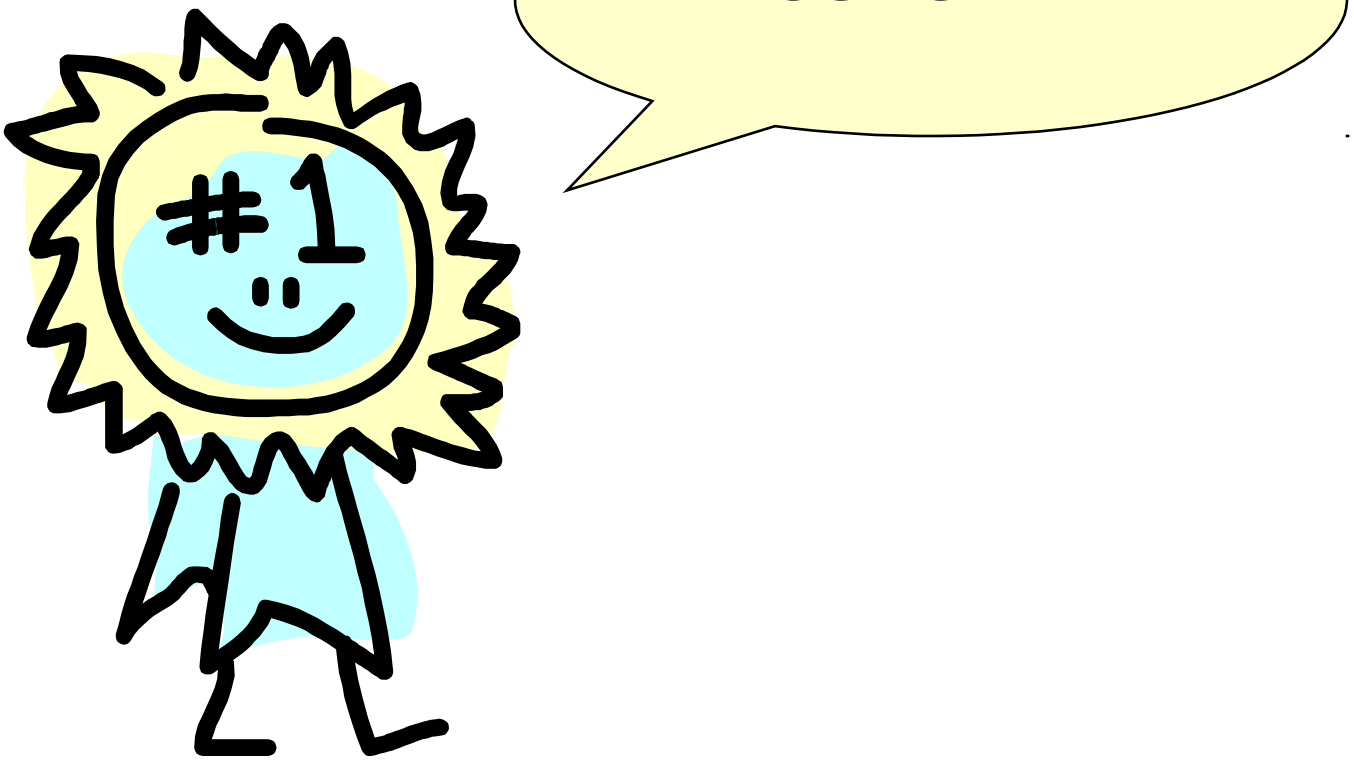
A. Top Leadership commitment

B. Employee & Soldier awareness, involvement and focus on continual improvement

C. Flexibility and compatibility with an organization's culture

D. All of the above

# *Knowledge Check- What is an EMS?*



# Knowledge Check- USAG-AK EMS

Answer the following questions:

**Name the four basic concepts of the USAG-AK Environmental**

**Policy Statement?**

**Where can the policy statement be found?**

# Knowledge Check-USAG-AK EMS

**Name the four basic concepts of the USAG-AK Environmental Policy Statement?**

***Pollution Prevention*** at the source whenever possible
***Conservation*** of natural resources
***Compliance*** with all environmental laws, regulations and internal requirements
***Restoration*** of lands damaged by past military activities

**Where can the policy statement be found?**

On the USARK-Army policies website

# Mission Focused

- ✓Environmental Policy
- ✓Planning
- ✓Implementation & Operation
- ✓Checking & Corrective Action
- ✓Management Review

# *Identifying Environmental Aspects and Impacts*

- Environmental Aspect: element of an organization's activities, products or services that can interact with the environment
- Environmental Impact: any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organization's activities, products or services

# *Developing Environmental Aspects*

**Examples of Aspects/Impacts:**

- Aspect: Firing Munitions
- Impact: Air emissions, HW and SW generation

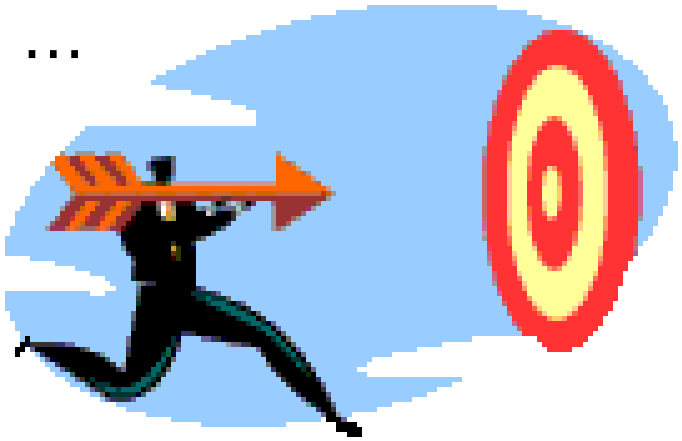
- Aspect:  Vehicle Refueling Spills
- Impact: Contaminated land and groundwater

# *Identifying YOUR Aspects & Impacts*

- Do I generate a waste when I change oil in a vehicle?
- Do I endanger the wildlife when I train?
- Do I actively participate in my organization's recycle program?

# *Objectives & Targets*

- Objectives- overall environmental goal, arising from the organization's policy statement, ... which is quantified where practicable.  Your end goal.



- Targets- detailed performance requirement, quantified where practicable,  ... that needs to be set and met in order to achieve the stated objectives/goals.

# *Examples of Objectives & Targets*

- Objective: Reduce hazardous waste generation.
  - Target: Using 2003 as a baseline, 30% reduction by 2006

- Objective: Material substitution for hazardous chemicals.
  - Target: Perform a material substitution study by FY2006

# *Training, Awareness, and Competence*

- Importance of regulatory compliance, and the importance of compliance with the environmental policy and EMS requirements
- Potential negative environmental impacts of the employee's work. The positive effects of improved performance on their part.
- Consequences of failure to comply with the above.

# *Employee/Soldier Participation in the Implemented EMS*

- Know significant aspects and regulatory requirements associated with work duties
- Know essence of Environmental Policy
- Know objectives and targets of pertinent significant aspects
- Have proper training
- Learn and follow the procedures to protect the environment and conserve resources
- Know what can happen if procedures are not followed

# ***Checking and Corrective Action:*** *Monitoring & Measuring*

- Evaluate environmental performance (e.g. ISR)
- Assess compliance with legal requirements (EPAS and internal assessments)
- Identify areas requiring corrective action (ICAP)
- Improve performance and increase efficiency

# *Knowledge Check- Why is an EMS Important?*

Click on the best answer.

**An EMS is important for many reasons. Which of the following are benefits of implementing an EMS?**

A. It provides an opportunity for US Army Alaska to assess how it manages its environmental risks.

B. It helps reduce environmental impacts and encourages pollution prevention.

C. It enables compliance with EO 13148 and DA policy.

D. All of the above

That is correct!

# *Knowledge Check- Why is an EMS Important?*

CONGRATULATIONS!!

You have completed your EMS training!

# *Your EMS Managers*

- Richard Nenahlo – Fort Richardson
  - 907-384-3295
  - Richard.nenahlo1@us.army.mil
- Joe Malen – Fort Wainwright
  - 907-353-4512
  - Joseph.malen@us.army.mil
- Bob Gray – Fort Wainwright
  - 907- 353-9949
  - Bob.gray1@us.army.mil

# Protecting the Environment is Everyone's Job,

## And So Is Maintaining the EMS!

# *Certificate of Completion*

Awarded to

S

in recognition of successful completion of

***USAG-AK EMS AWARENESS TRAINING***

09/08/16

Print

That is either incorrect or only partially correct.

- Click the button below to try again